

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: September 12, 2003 (use as many sheets as necessary)				Complete if Known	
				Application Number	Unassigned
				Filing Date	09/12/2003
				First Named Inventor	Arun Kumar SINHA et al.
				Group Art Unit	1621
				Examiner Name	Unassigned
				Attorney Docket Number	056859-0189
Sheet	1	of	5		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
RK	A1	3,769,350		PERRY, et al.	10/30/1973	
RK	A2	4,540,709		CHANG, et al.	09/10/1985	
RK	A3	4,873,349		ROBIN, et al.	10/10/1989	
RK	A4	5,639,782		SHEN, et al.	06/17/1997	
RK	A5	6,136,992		RAM, et al.	10/24/2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
RK	A6	Kawazoe, et al.; <i>J. Nat. Prod.</i> ; 2001; Vol. 64; 588-591	
RK	A7	Motley; <i>Economic Botany</i> ; 1994; Vol. 48; 397-412	
RK	A8	Stauffer, et al.; <i>J. Med. Chem.</i> 2000; Vol. 43; 4934-4947	
RK	A9	Meyers, et al.; <i>J. Med. Chem.</i> ; 2001; Vol. 44; 4230-3251	
RK	A10	Rao and Rao; <i>Journal of Natural Products</i> ; 01/1990; Vol. 53; No. 1; 212-215	
RK	A11	Suri, et al.; <i>Indian Journal of Chemistry</i> ; 06/1987; Vol. 26B; 587-588	
RK	A12	Poplawski, et al.; <i>J. Med. Chem.</i> ; 2000; Vol. 43; 3671-3676	
RK	A13	Högborg, et al.; <i>J. Med. Chem.</i> ; 1990; Vol. 33; 1155-1163	

Examiner Signature	R. Keys	Date Considered	3/15/04
--------------------	---------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: September 12, 2003 (use as many sheets as necessary)		Application Number	Unassigned
		Filing Date	09/12/2003
		First Named Inventor	Arun Kumar SINHA et al.
		Group Art Unit	1621
		Examiner Name	Unassigned
Attorney Docket Number	056859-0189		
Sheet	2	of	5

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RK	A14	Parmar, et al.; <i>Phytochemistry</i> ; 1997; Vol. 46; No. 4; 597-627	
RK	A15	Mohagheghzadeh, et al.; <i>J. Nat. Prod.</i> ; 2002; Vol. 65; 69-71	
RK	A16	Charlton; <i>J. Nat. Prod.</i> ; 1998; Vol. 61; 1447-1451	
RK	A17	Hu, et al.; <i>Planta Med.</i> ; 2000; Vol. 66; 662-664	
RK	A18	Keller, et al.; <i>Planta Medica</i> ; 1985; 6-9 (Abstract in English)	
RK	A19	Nigam, et al.; <i>Indian Perfumer</i> ; 1990; Vol. 34; No. 4; 282-285	
RK	A20	Choudary, et al.; <i>Indian Journal of Chemistry</i> ; 03/1997; Vol. 36B; 278-280	
RK	A21	Dung, et al.; <i>J. Essent. Oil Res.</i> ; 01-02/1995; Vol. 7; 111-112	
RK	A22	Abel; <i>Planta Medica</i> ; 1987; 251-253 (Abstract in English)	
RK	A23	Hernandez, et al.; <i>Planta Med.</i> ; 1993; Vol. 49; 121-124	
RK	A24	Filleur, et al.; <i>Planta Med.</i> ; 2001; Vol. 67; 700-703	
RK	A25	López; <i>Plant Med.</i> ; 1993; Vol. 59; 115-119	
RK	A26	Nagase, et al.; <i>Planta Med.</i> ; 2001; Vol. 67; 705-708	
RK	A27	Ikarashi, et al.; <i>Planta Med.</i> ; 2001; Vol. 67; 709-713	
RK	A28	Shimomura, et al.; <i>Phytochemistry</i> ; 1987; Vol. 26; No. 5; 1513-1515	
RK	A29	Clark-Lewis and V. Nair; <i>Flavan Derivatives</i> ; Vol. XVI; 2141-2149	
RK	A30	Kumar; <i>J. Org. Chem.</i> ; 1985; Vol. 50; 3070-3073	
RK	A31	Doering and Berson; <i>J.A.C.S.</i> ; 1950; Vol. 72; 1118-1123	

Examiner Signature	R. Key	Date Considered	3/15/04
--------------------	--------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: September 12, 2003 (use as many sheets as necessary)		Application Number	Unassigned
		Filing Date	09/12/2003
		First Named Inventor	Arun Kumar SINHA et al.
		Group Art Unit	1621
		Examiner Name	Unassigned
Sheet	3	of	5
		Attorney Docket Number	056859-0189

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
RK	A32	Lazutka, et al.; <i>Food and Chemical Toxicology</i> ; 2001; Vol. 29; 485-492	
RK	A33	Oprean, et al.; <i>Journal of Pharmaceutical and Biomedical Analysis</i> ; 1998; Vol. 18; 227-234	
RK	A34	Oprean, et al.; <i>Journal of Pharmaceutical and Biomedical Analysis</i> ; 2001; Vol. 24; 1163-1168	
RK	A35	Oprean, et al.; <i>Journal of Pharmaceutical and Biomedical Analysis</i> ; 1998; Vol. 18; 651-657	
RK	A36	Garduño, et al.; <i>Journal of Ethnopharmacology</i> ; 1997; Vol. 55; 161-163	
RK	A37	Jaimol, et al.; <i>Applied Catalysis A: General</i> ; 2001; Vol. 214; 1-10	
RK	A38	Juhász, et al.; <i>J. Nat. Prod.</i> ; 2000; Vol. 63; 866-870	
RK	A39	Ahn, et al.; <i>J. Nat. Prod.</i> ; 2001; Vol. 64; 1562-1564	
RK	A40	Kikuzaki, et al.; <i>Phytochemistry</i> ; 2001; Vol. 56; 109-114	
RK	A41	Enriquez, et al.; <i>Phytochemistry</i> ; 1980; Vol. 19; 2024-2025	
RK	A42	Haml, et al.; <i>Casopis Lakaru Ceskyh</i> ; 2000; Vol. 139; Supp. 1; 31-33 (Abstract)	
RK	A43	Huynh, et al.; <i>Archives of Biochemistry and Biophysics</i> ; 10/1988; Vol. 250; Iss. 1; 186-196 (Abstract)	
RK	A44	Juhász, et al.; <i>Journal of Natural Products</i> ; 2000; Vol. 62; Iss. 6; 866-860 (Abstract)	
RK	A45	Curro, et al.; <i>Journal of Chromatography A</i> ; 1987; Vol. 404; 273-278 (Abstract)	
RK	A46	Mazza; <i>Journal of Chromatography A</i> ; 1985; Vol. 328; 179-194 (Abstract)	
RK	A47	Hwu, et al.; <i>J. Med. Chem.</i> ; 1998; Vol. 41; No. 16; 2994-3000	
RK	A48	Chen, et al.; <i>J. Med. Chem.</i> ; 1998; Vol. 41; No. 16; 3001-3007	
RK	A49	Donnelly, et al.; <i>Tetrahedron Letters</i> ; 1991; Vol. 32; No. 31; 3835-3836	

Examiner Signature	<i>R. Ker</i>	Date Considered	3/15/04
--------------------	---------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: September 12, 2003 (use as many sheets as necessary)		Application Number	Unassigned
		Filing Date	09/12/2003
		First Named Inventor	Arun Kumar SINHA et al.
		Group Art Unit	1621
		Examiner Name	Unassigned
Sheet	4	of	5
		Attorney Docket Number	056859-0189

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
HK	A50	Juhász, et al.; <i>Tetrahedron Letters</i> ; 2000; Vol. 41; 2491-2494	
RK	A51	Minato, et al.; <i>Tetrahedron Letters</i> ; 1980; Vol. 21; 4017-4020	
RK	A52	Becker and Beroza; <i>Tetrahedron Letters</i> No. 4; 1962; 157-163	
RK	A53	Yamamura, et al.; <i>Tetrahedron Letters</i> ; 1978; Vol. 49; 4891-4894	
RK	A54	Gezginci and Timmermann; <i>Tetrahedron Letters</i> ; 2001; Vol. 42; 6083-6085	
RK	A55	Kadota, et al.; <i>Tetrahedron Letters</i> ; 1987; Vol. 28; No. 25; 2857-2860	
RK	A56	Dhal, et al.; <i>Tetrahedron</i> ; 1994; Vol. 50; No. 4; 1153-1164	
RK	A57	Syrjänen and Brunow; <i>Tetrahedron</i> ; 2001; Vol. 57; 365-370	
RK	A58	Robin and Landais; <i>Tetrahedron</i> ; 1992; Vol. 48; No. 5; 819-830	
RK	A59	MacMillan, et al.; <i>Tetrahedron</i> ; 1969; Vol. 25; 905-914	
RK	A60	Ward; <i>Tetrahedron</i> ; 1990; Vol. 46; No. 15; 5029-5041	
RK	A61	Chattopadhyay and Rao; <i>Tetrahedron</i> ; 1987; Vol. 43; No. 4; 669-678	
RK	A62	Schiestl, et al.; <i>Mutation Research</i> ; 1989; Vol. 224; Iss. 4; 427-436 (Abstract)	
RK	A63	Kim, et al.; <i>Carcinogenesis</i> ; 1999; Vol. 20; Iss. 7; 1303-1307 (Abstract)	
RK	A64	Kikuchi, et al.; <i>Chem. Pharm. Bull.</i> ; 1983; Vol. 31; No. 3; 1112-1114	
RK	A65	Perry, et al.; <i>J. Org. Chem.</i> ; 1972; Vol. 37; No. 26; 4371-4376	
RK	A66	Tanaka, et al.; <i>Bioorganic & Medicinal Chemistry Letters</i> 12; 2002; 623-627	
RK	A67	Jensen, et al.; <i>Phytochemistry</i> ; 1993; Vol. 33; No. 3; 523-530	

Examiner Signature	<i>R. 10/00</i>	Date Considered	3/15/04
--------------------	-----------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: September 12, 2003 (use as many sheets as necessary)		Application Number	Unassigned
		Filing Date	09/12/2003
		First Named Inventor	Arun Kumar SINHA et al.
		Group Art Unit	1621
		Examiner Name	Unassigned
Sheet	5	of	5
		Attorney Docket Number	056859-0189

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
PK	A68	Dias; <i>Phytochemistry</i> ; 1988; Vol. 27; No. 9; 3008-3009	
PK	A69	Badheka, et al.; <i>Phytochemistry</i> ; 1987; Vol. 26; No. 7; 2033-2036	
PK	A70	Saxena; <i>Phytochemistry</i> ; 1986; Vol. 25; No. 2; 553-555	
PK	A71	Wenkert, et al.; <i>Phytochemistry</i> ; 1976; Vol. 15; 1547-1551	
PK	A72	Moss; <i>Pure Appl. Chem.</i> ; 2000; Vol. 72; No. 8; 1493-1523	
PK	A73	MacRae and Towers; <i>Phytochemistry</i> ; 1984; Vol. 23; No. 6; 1207-1220	
PK	A74	Sachio, et al.; Abstract of EP0597107 A4; 1994	
PK	A75	Masaaki, et al.; Abstract of JP2001139579; 2001	
PK	A76	Liu et al., "Chemical Structure of 1,3-bis (2,4,5-trimethoxy)phenyl-2-pentene-1," <i>Fenxi Hauxue</i> , 1994, Vol. 22, No. 4, pp. 355-358.	
PK	A77	Lander et al. "Light-Induced Transformation of Ararone," <i>Flavour and Fragrance Journal</i> , 1991, Vol. 6, No. 1, pp. 21-28.	
PK	A78	Lemini et al., "Structure of (E)-1-mythyl-1,3-bis(2,4,5-thimethoxyphenyl)-1-pentene and 1(2,4,5-thimethoxyphenyl)-2-methyl-3-ethyl-...Asarone Dimers," <i>Acta Crystallographica</i> , Section C: Crystal Structure Communications, 1990, Vol. C46, No. 8, pp. 1542-1545.	
PK	A79	Bohlmann et al., "The Active Substances of Asarum Europaeum L. XV Structure of the Diasarones," <i>Archiv der Pharmazie</i> , 1982, Vol. 315, No. 5, pp. 474-476.	
PK	A80	Lemini et al., "Synthesis of a Novel Asarone Dimer," <i>Organic Preparations and Procedures International</i> , 1981, Vol. 13, No. 5, pp. 374-378.	
PK	A81	Fornes et al., "Carbenium Ions Generated Upon Adsorption of 4-Methoxystyrenes Onto Acid Zeolites. A Kinetic Study," <i>Tetrahedron</i> , Elsevier Science Ltd., 1998, Vol. 54, pp. 3827-3832.	

Examiner Signature	R. Karp	Date Considered	3/15/04
--------------------	---------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.